

Attorney Docket No.:J3682(C)
Applicant: Adams et al.
Serial No.: 10/521,981
Filed: January 21, 2005
For: Hair Care Composition

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended) A method of styling hair by applying to the hair a hair treatment mousse comprising: (a) styling ingredients consisting essentially of 2-hydroxyalkanoic acid and, optionally, styling polymer and, optionally, a neutralizing agent for the styling polymer, in which the mousse comprises less than 2 wt. % of the total composition of a surfactant, and wherein the 2-hydroxyalkanoic acid comprises at least one acid selected from the group consisting of 2-hydroxyhexanoic acid, 2-hydroxyoctanoic acid and 2-hydroxydecanoic acid (b) carrier and (c) optionally, propellant; wherein the styling ingredient consists of: (i) 2-hydroxyalkanoic acid, (ii) optionally, styling polymer and (iii) optionally, neutralizing agent capable of reducing a portion of acid groups that may be present on the styling polymer; and wherein the hair treatment mousse contains less than 2 wt. % of surfactant and includes at least one member of the group consisting of 2-hydroxyhexanoic acid, 2-hydroxyoctanoic acid and 2-hydroxydecanoic acid.

Claim 2 (Currently Amended) A method of styling hair according to claim 1 in which the 2-hydroxyalkanoic acid consists essentially of is selected from the group consisting of 2-hydroxyhexanoic acid, 2-hydroxyoctanoic acid, 2-hydroxydecanoic acid and mixtures thereof.

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Claim 3 (Previously Presented) A method of styling hair according to claim 1 in which the 2-hydroxyalkanoic acid is 2-hydroxyoctanoic acid.

Claim 4 (Previously Presented) A method of styling hair in which the level of 2-hydroxyalkanoic acid within the mousse is from 0.5 to 10 wt%

Claim 5 (Currently Amended) A method of styling hair according to claim 1 wherein the mousse further comprising includes a styling polymer.

Claim 6-8 (Cancelled).

Claim 9 (Currently Amended) A method according to claim 1 wherein the mousse further comprises one or more additional components selected from the group consisting of: ~~propellants, carriers, conditioning materials, sun-screening agents, anti-dandruff actives, carboxylic acid polymer thickeners, emulsifiers, amino acids, sugars, ceramides, and perfume.~~

Claim 10 (Currently Amended) A method according to claim 9 wherein the conditioning materials are selected from the group consisting of cationic conditioners, quaternary silicone polymers, silicone based conditioners and their emulsions, and amino functional silicones and their emulsions.

Claim 11 (Previously Presented). A method as described in claim 1 wherein the mousse is applied to the hair while the hair is wet or damp.

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Claim 12 (New) A method of styling hair by applying to the hair a hair treatment mousse consisting essentially of: (a) 2-hydroxyalkanoic acid, (b) optionally, styling polymer, (c) optionally, neutralizing agent capable of reducing at least a portion of acid groups that may be present on the styling polymer, (d) carrier, (e) optionally, propellant, and (f) one or more additional components selected from the group consisting of: conditioning materials, sun-screening agents, anti-dandruff actives, carboxylic acid polymer thickeners, emulsifiers, amino acids, sugars, ceramides, and perfume; wherein the hair treatment mousse contains less than 2 wt.% of surfactant and includes at least one 2-hydroxyalkanoic acid selected from the group consisting of 2-hydroxyhexanoic acid, 2-hydroxyoctanoic acid and 2-hydroxydecanoic acid.

Claim 13 (New) A method as described in claim 1, wherein the neutralizing agent is selected from the group consisting of 2-amino-2-methyl-1,3-propanediol; 2-amino-2-methyl-1-propanol; 2-amino-1-butanol; monoethanolamine; diethanolamine; triethanolamine; monoisopropanolamine; diisopropanol-amine; triisopropanolamine; dimethyl stearamine; long chain amine neutralizing agent; inorganic neutralizers; and mixtures thereof.

Claim 14 (New) A method of styling hair by applying to the hair a hair treatment mousse comprising: (a) at least one 2-hydroxyalkanoic acid selected from the group consisting of 2-hydroxyhexanoic acid, 2-hydroxyoctanoic acid, and 2-hydroxydecanoic acid, (b) carrier and (c) propellant; wherein the hair treatment mousse (i) is free of a sulfonic acid or a salt thereof and (ii) comprises less than 2 wt.% of surfactant.

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Claim 15 (New) A method as described in claim 1 in which the surfactant is absent from the hair treatment mousse.

Claim 16 (New) A method as described in claim 1 wherein, if surfactant is present, it is selected from the group consisting of non-ionic, amphoteric and zwitterionic surfactants, and mixtures thereof.

Claim 17 (New) A method as described in claim 1 in which the hair treatment mousse consists essentially of said styling ingredient, carrier and, optionally, propellant.

Claim 18 (New) A method as described in claim 12 wherein the hair treatment mousse consists of: (a) 2-hydroxyalkanoic acid, (b) optionally, styling ingredient, (c) optionally, neutralizing agent capable of reducing at least a portion of acid groups that may be present on the styling polymer, (d) carrier, (e) optionally, propellant, and one or more of said additional components (f) .

Claim 19 (New) A method as described in claim 1 wherein the hair treatment mousse is free of styling polymer.

Claim 20 (New) A method as described in claim 1 wherein the hair treatment mousse is dispensed from a pump aerosol container that utilizes compressed air.